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Brookhaven National Laboratory National Synchrotron Light Source				Number:	Revision:					
		National Synch	rotron Light Source		LS-PPS-0035 Effective:	A Page 1 of 2				
					10/14/03	Page 1 of 2				
Sul	oject:	U2A Laser Interlock To	est Procedure							
Pre	pared	/ M. Buckley	Prepared/ Z. Liu							
	proved		Approved By:							
*Ori	ginal Do	ocument contains approved signature	es.		Revision/	Periodic Review Log				
Tes	t Date	Σ.		Test Result:		□ Failed				
	t Reas	son:								
Tes	ster 1:			Assistant 1:						
	Turn	Off Laser Power supply p	orior to commencing tes	t procedure.						
1.	Searc	ch the hutch area and assu	re no one other than test	personnel are	e present.					
2.	Inter	rnal Shutter Control Tes	switch next to	the laser shutter):						
	Rem	Remain in the hutch and Close the hutch door.								
	Attempt to open the shutter by pressing the shutter reset switch.									
			The shutter Opens							
			Green indicator come	s ON						
	Close the shutter by turning the shutter L/O switch.									
		, .	The shutter Closes							
			Green indicator goes	OFF						
3.	Oper	the hutch door.	-							
	•	s the shutter reset switch								
	11000		The shutter does not (Onen						
			The shatter does not	open.						
4.	Close	e the hutch door and press	the shutter reset switch							
			The shutter Opens							
	Oper	the hutch door.								
	•		The shutter Closes							
	Close	e the hutch door.								
	Clos	e the naten door.	The laser shutter does	not automatic	cally Onen					
			The faser shutter does	not automati	сану Орен.					
5.		e the hutch door and open the Laser Shutter Lockou		ition.						
	Turn	the Laser Lockout switch	to the ON position.							
			The laser shutter does	not automatic	cally Onen					

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	External Shutter Control Test (use the remote laser control key switch outside of the hutch): Remain outside the hutch and Close the hutch door.								
	Turn the shutter reset key to open the shutter.								
The shutter Opens									
Open the door to Close the shutter.									
	-		Red L	ED on Co	ontrol Box go	oes OFF			
_	TTT'd d		T						
7.	With t	he hutch door Open,			_	the shutter.			
					s not Open.	0.17			
_						oes not stay ON			
8.	Close the hutch door and Turn the shutter reset key to open the shutter.								
			The sh	utter Ope	ens				
			Red L	ED on Co	ontrol Box co	omes ON			
	Open tl	ne hutch door.							
			The sh	utter Clo	ses				
			Red L	ED on Co	ontrol Box go	oes OFF			
	Close t	he hutch door							
			The la	ser shutte	er does not au	tomatically Open			
9.	One person remains in the hutch. Close the hutch door and open the shutter. Turn the Laser Shutter Lockout switch to the OFF position. The shutter Closes								
			LED o	n Contro	l Box goes O	FF			
Turn the Laser Shutter Lockout switch to the ON position.									
			The la	ser shutte	er does not au	tomatically Open.			

U2A Laser Interlock Test

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